

AMENDMENTS TO THE CLAIMS

1. - 8. (Cancelled)

9. (Currently Amended) A directional coupler comprising:

a first connection to input or output a wave and a first decoupling connection to decouple a coupled wave, both of said first connection and said first decoupling connection being connected via a first resistance network to an inner conductor and an outer conductor of a coaxial line at a first connection face; and

a second connection to input or output said input or output wave from said first connection and a second decoupling connection to decouple a coupled wave, both of said second connection and said second decoupling connection connected via a second resistance network to said inner conductor and to said outer conductor of said coaxial line at a second connection face;

wherein, said coaxial line is bent in such a manner that said first connection face and said second connection face are aligned generally parallel to a generally planar printed circuit board; said circuit board including at least one of said first connection, said second connection, said first decoupling connection, or second decoupling connection;

wherein, said outer conductor of said coaxial line is led to earth potential at said first connection face via a third resistance network and at said second connection face by a fourth resistance network; and

wherein, resistors forming said first, second, third and fourth resistance networks are components soldered onto said circuit board in SMD technology.

10.-14. (Cancelled)

15. (Currently Amended) The directional coupler of claim 9 ~~claim 13~~ wherein both of said third and said fourth networks are low impedance networks.

16. (Currently Amended) The directional coupler of claim 9 ~~claim 13~~ wherein said coaxial line is bent in a semicircular shape.

17. (Currently Amended) The directional coupler of claim 16 wherein:

said coaxial line is mechanically and electrically connected to said circuit board at said first connection face via a first connection conductor connected to said inner conductor and via first conically disposed resistors connected to said outer conductor, said first connection conductor and said first conically disposed resistors being a part of said first network or said third network; and

said coaxial line is mechanically and electrically connected to said circuit board at said second connection face via a second connection conductor connected to said inner conductor and via second conically disposed resistors connected to said outer conductor, said second connection conductor and said second conically disposed resistors being a part of said second network or said fourth network. ~~network~~

18. (Currently Amended) The directional coupler of claim 9 ~~claim 13~~ wherein said coaxial line is bent in a U-shape.

19. (Currently Amended) The directional coupler of claim 18 wherein:

said coaxial line is mechanically and electrically connected to said circuit board at said first connection face via a first connection conductor connected to said inner conductor and via first conically disposed resistors connected to said outer conductor, said first connection conductor and said first conically disposed resistors being a part of said first network or said third network; and

said coaxial line is mechanically and electrically connected to said circuit board at said second connection face via a second connection conductor connected to said inner conductor and

via second conically disposed resistors connected to said outer conductor, said second connection conductor and said second conically disposed resistors being a part of said second network or said fourth network. ~~network~~

20.-21. (Cancelled)

22. (Previously Presented) The directional coupler of claim 9 further comprising at least one ferrite ring made of a ferrite material which surrounds said coaxial line.

23. (Currently Amended) The directional coupler of claim 22 wherein said at least one ferrite ring ~~ring~~ comprises a plurality of aligned ferrite rings encasing said coaxial line.